

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P302085

Luminaire Tested: **ZX-WO-60L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-60L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5226.6 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

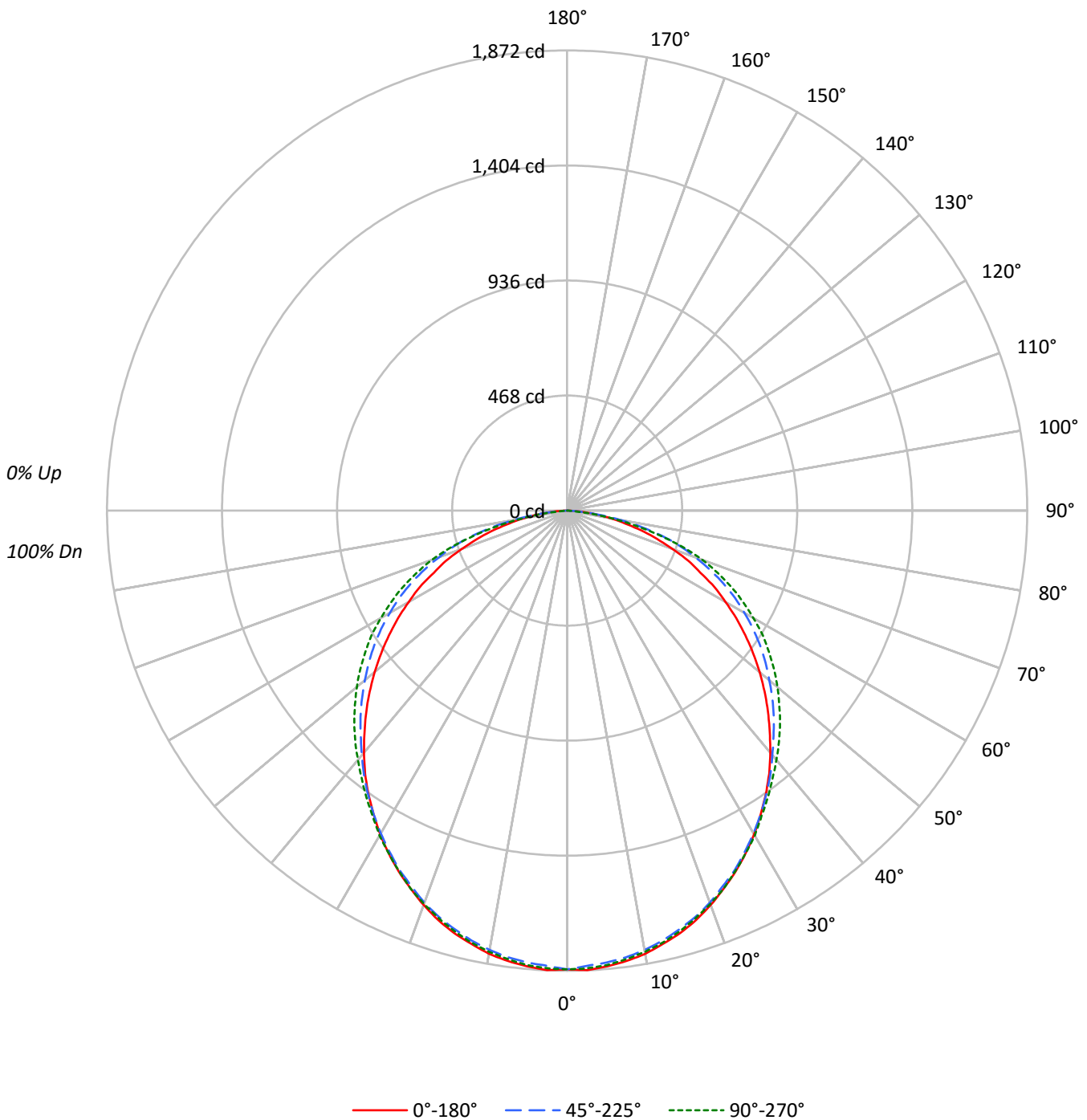
Input Watts (W): 48.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P302085

CATALOG NUMBER: ZX-WO-60L935-UNV-14-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302085

CATALOG NUMBER: ZX-WO-60L935-UNV-14-STD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5022	5022	5022
5°	5028	4986	5014
10°	5002	4960	4981
15°	4957	4915	4936
20°	4891	4861	4876
25°	4813	4790	4805
30°	4727	4711	4743
35°	4628	4636	4678
40°	4517	4562	4652
45°	4398	4524	4660
50°	4281	4495	4677
55°	4150	4498	4702
60°	4004	4486	4706
65°	3810	4460	4705
70°	3581	4365	4607
75°	3243	4173	4040
80°	2774	3367	2971
85°	1973	1578	472



TEST NUMBER: P302085

CATALOG NUMBER: ZX-WO-60L935-UNV-14-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	3.4
10°-20°	499.7	9.6
20°-30°	745.4	14.3
30°-40°	885.6	16.9
40°-50°	919.3	17.6
50°-60°	850.1	16.3
60°-70°	677.2	13.0
70°-80°	396.4	7.6
80°-90°	76.9	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1421.2	27.2
0°-40°	2306.8	44.1
0°-60°	4076.2	78.0
0°-90°	5226.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5226.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1866	1866	1866	1866	1866	
5°	1861	1856	1846	1856	1856	177
15°	1779	1777	1764	1777	1772	501
25°	1621	1618	1613	1621	1618	746
35°	1409	1409	1411	1422	1424	881
45°	1156	1168	1189	1217	1225	891
55°	885	910	959	992	1002	791
65°	598	642	700	729	739	596
75°	312	363	401	396	389	330
85°	64	77	51	26	15	80
90°	0	0	0	0	0	



TEST NUMBER: P302085

CATALOG NUMBER: ZX-WO-60L935-UNV-14-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1866.4	1866.4	1866.4	1866.4	1866.4
2.5°	1871.5	1866.4	1853.6	1866.4	1863.8
5°	1861.2	1856.1	1845.9	1856.1	1856.1
7.5°	1848.5	1843.4	1833.1	1843.4	1840.8
10°	1830.6	1825.5	1815.2	1825.5	1822.9
12.5°	1805.0	1802.4	1792.2	1802.4	1799.9
15°	1779.4	1776.9	1764.1	1776.9	1771.8
17.5°	1746.2	1743.6	1733.4	1741.1	1738.5
20°	1707.9	1702.7	1697.6	1705.3	1702.7
22.5°	1664.4	1661.8	1654.2	1666.9	1664.4
25°	1620.9	1618.4	1613.3	1620.9	1618.4
27.5°	1572.3	1569.8	1564.7	1574.9	1572.3
30°	1521.2	1521.2	1516.1	1528.9	1526.3
32.5°	1465.0	1465.0	1465.0	1472.6	1472.6
35°	1408.7	1408.7	1411.3	1421.5	1424.1
37.5°	1349.9	1349.9	1357.6	1372.9	1372.9
40°	1286.0	1291.1	1298.8	1321.8	1324.4
42.5°	1219.5	1229.8	1242.5	1270.7	1275.8
45°	1155.6	1168.4	1188.8	1217.0	1224.6
47.5°	1089.1	1104.5	1132.6	1163.3	1171.0
50°	1022.7	1043.1	1073.8	1109.6	1117.3
52.5°	953.6	976.6	1017.6	1053.3	1061.0
55°	884.6	910.2	958.7	992.0	1002.2
57.5°	815.6	843.7	897.4	930.6	943.4
60°	744.0	774.7	833.5	864.2	874.4
62.5°	677.5	710.8	769.6	797.7	807.9
65°	598.3	641.7	700.5	728.6	738.9
67.5°	534.3	575.2	628.9	659.6	662.2
70°	455.1	506.2	554.8	580.4	585.5
72.5°	383.5	434.6	483.2	493.4	493.4
75°	311.9	363.0	401.4	396.3	388.6
77.5°	240.3	291.5	311.9	294.0	286.3
80°	179.0	222.4	217.3	199.4	191.7
82.5°	117.6	150.8	127.8	107.4	97.2
85°	63.9	76.7	51.1	25.6	15.3
87.5°	23.0	15.3	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)